

ABSTRACT

The present invention relates to a system and method to facilitate efficient and automated presentation of information to users. A decomposition component automatically decomposes an information item into sets of subcomponents in a two- or three-dimensional isometric space, and generates visualizations having interactive graphics that allow users to inspect respective subcomponents. Interface features are provided to enable hover, dwell, and clicking commands, for example, providing a variety of options to zoom in, or change configurations of the visualization in accordance with the users intentions or inferences about what they desire to see or inspect more closely. Beyond the use of decompositions into exploded views of the content of items typically viewed as singular documents, the methods can be applied to perform geometric transformations on visualizations of multiple windows and other resources based on content and activity to provide regularized visualizations of the multiple items. Such exploded views can provide visual geometric summaries of projects, and a set of handles into accessing more detail on the subcomponents of the project.